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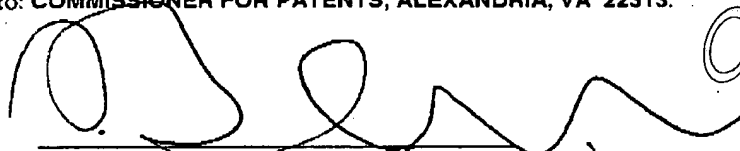
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Roland K. Bowler II

OFFICIAL

|              |                  |   |                            |
|--------------|------------------|---|----------------------------|
| Applicant:   | BRANDT ET AL.    | ) |                            |
|              |                  | ) | Examiner L. West           |
| Appl. No.    | 10/074,970       | ) |                            |
|              |                  | ) | Art Unit 2682              |
| Confirm. No. | 6905             | ) |                            |
|              |                  | ) | Atty. Docket No. CS20456RL |
| Filed:       | 13 February 2002 | ) |                            |

Title: "Reselection Optimization in Mobile Wireless Communication Devices And Methods Therefor"

**TRANSMITTAL UNDER 37 CFR 1.111**

Assistant Commissioner for Patents  
Alexandria, Virginia 22313

Sir:

BRANDT ET AL.  
"Reselection Optimization in Mobile Wireless  
Communication Devices And Methods Therefor"  
Atty. Docket No. CS20456RL

Appl. No. 10/074,970  
Confirm. No. 6905  
Examiner L. West  
Art Unit 2682

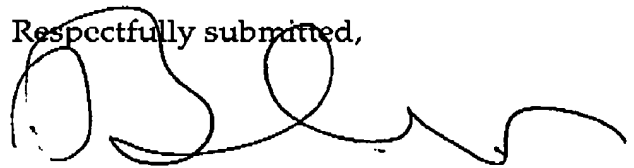
The following is enclosed in response to the non-final Official  
action of 9 July 2003:

[ X ] Response under 37 CFR 1.111 (20 pages);  
[ X ] Petition under 37 CFR 1.136(a) (1 page);  
[ X ] Fee Calculation Sheet (1 page) including  
authorization to debit **Deposit Account No. 50-2117 of Motorola Inc., Customer  
No. 20280**, for any Fees due.

**AUTHORIZATION TO DEBIT DEPOSIT ACCOUNT**

The Commissioner of Patents And Trademarks is hereby  
authorization to debit any fees required under 37 CFR 1.16 & 1.17 from, and to  
credit any excess fees paid to, **Deposit Account No. 50-2117 of Motorola Inc.,  
Customer No. 20280** in connection with the filing of the referenced materials.

Respectfully submitted,



ROLAND K. BOWLER II 24 OCT. 2003  
REG. NO. 33,477

MOTOROLA, INC.  
INTELLECTUAL PROPERTY DEPT. (RKB)  
600 NORTH U.S. HIGHWAY 45, AN475  
LIBERTYVILLE, ILLINOIS 60048

TELEPHONE NO. (847) 523-3978  
FACSIMILE NO. (847) 523-2350

|  |  |                          |                  |
|--|--|--------------------------|------------------|
| <b>FEE TRANSMITTAL</b><br>Patent fees are subject to annual revision |  | <b>Complete if Known</b> |                  |
|  |  | Application Number       | 10/074,970       |
|  |  | Filing Date              | 13 February 2002 |
|  |  | First Named Inventor     | BRANDT           |
|  |  | Examiner Name            | L. West          |
| TOTAL AMOUNT OF PAYMENT  |  | (\$)                     | 110.00           |
|  |  | Attorney Docket No.      | CS20456RL        |

| METHOD OF PAYMENT  |                   | FEE CALCULATION (continued)   |                   |  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
|--|-------------------|---|-------------------|--|-----------------|-------------------|----------|-----------------|------|-----|--------------------|--------------------|-------------------------------------|------|-----|-------------------|---------------------|-------------------------------------|------|-----|------------------|------------------------|---------------------------|------|------|--------------------|------|--------------------------------------|------|-----|------------------------|------------------------|--|------|------|------|------|---|------|-----|------|----|--|------|-----|------|-----|---|------|-----|------|-----|--|------|------|------|-----|---|------|------|------|-----|--|------|-----|------|-----|------------------|------|-----|------|-----|--|------|-----|------|-----|--------------------------|------|------|------|------|---|------|-----|------|----|----------------------------------|------|------|------|-----|------------------------------------|------|------|------|-----|--------------------------------|------|-----|------|-----|------------------|------|-----|------|-----|-----------------|------|----|------|----|-------------------------------|------|-----|------|-----|-------------------------------------|------|----|------|----|-------------------|------|-----|------|-----|--|------|-----|------|-----|---|------|-----|------|-----|--|------|-----|------|-----|---|--|--|--|--|---|
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to<br>Deposit Account Number <b>502117</b><br>Deposit Account Name <b>Motorola, Inc.</b><br><input checked="" type="checkbox"/> Charge Any Additional Fee required under 37 CFR 1.10 and 1.17<br><input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27  |                   | <b>3. ADDITIONAL FEES</b><br><table border="1"> <thead> <tr> <th>Large Entity Code</th> <th>Fee (\$)</th> <th>Small Entity Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>1052</td><td>60</td><td>2052</td><td>25</td><td>Surcharge - late Provisional filing</td></tr> <tr><td>1053</td><td>130</td><td>2053</td><td>130</td><td>Non-English specification</td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td><td>For filing a request for examination</td></tr> <tr><td>1804</td><td>920</td><td>1804</td><td>920</td><td>Requesting publication of SIH prior to Examiner action</td></tr> <tr><td>1805</td><td>1840</td><td>1805</td><td>1840</td><td>Requesting publication of SIH after Examiner action</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td></tr> <tr><td>1254</td><td>1450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td></tr> <tr><td>1255</td><td>1970</td><td>2255</td><td>995</td><td>Extension for reply within fifth month</td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td></tr> <tr><td>1453</td><td>1300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td></tr> <tr><td>1501</td><td>1300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td></tr> <tr><td>1503</td><td>830</td><td>2503</td><td>315</td><td>Plant issue fee</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions to the Commissioner</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Processing fee under 37 CFR 1.17(e)</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Submission of IDS</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Recording each patent assignment via university (lines number of business)</td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td></td><td></td><td></td><td></td><td>Request for expedited examination of a design application</td></tr> </tbody> </table> |                   | Large Entity Code  | Fee (\$)        | Small Entity Code | Fee (\$) | Fee Description | 1051 | 130 | 2051               | 65                 | Surcharge - late filing fee or oath | 1052 | 60  | 2052              | 25                  | Surcharge - late Provisional filing | 1053 | 130 | 2053             | 130                    | Non-English specification | 1812 | 2520 | 1812               | 2520 | For filing a request for examination | 1804 | 920 | 1804                   | 920                    | Requesting publication of SIH prior to Examiner action | 1805 | 1840 | 1805 | 1840 | Requesting publication of SIH after Examiner action | 1251 | 110 | 2251 | 55 | Extension for reply within first month | 1252 | 410 | 2252 | 205 | Extension for reply within second month | 1253 | 930 | 2253 | 465 | Extension for reply within third month | 1254 | 1450 | 2254 | 725 | Extension for reply within fourth month | 1255 | 1970 | 2255 | 995 | Extension for reply within fifth month | 1401 | 320 | 2401 | 160 | Notice of Appeal | 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal | 1403 | 280 | 2403 | 140 | Request for oral hearing | 1451 | 1510 | 1451 | 1510 | Petition to institute a public use proceeding | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | 1453 | 1300 | 2453 | 650 | Petition to revive - unintentional | 1501 | 1300 | 2501 | 650 | Utility issue fee (or reissue) | 1502 | 470 | 2502 | 235 | Design issue fee | 1503 | 830 | 2503 | 315 | Plant issue fee | 1807 | 50 | 1807 | 50 | Petitions to the Commissioner | 1806 | 180 | 1806 | 180 | Processing fee under 37 CFR 1.17(e) | 8021 | 40 | 8021 | 40 | Submission of IDS | 1809 | 750 | 2809 | 375 | Recording each patent assignment via university (lines number of business) | 1810 | 750 | 2810 | 375 | Filing a submission after final rejection (37 CFR § 1.129(a)) | 1801 | 750 | 2801 | 375 | For each additional invention to be examined (37 CFR § 1.129(b)) | 1802 | 900 | 1802 | 900 | Request for Continued Examination (RCE) |  |  |  |  | Request for expedited examination of a design application |
| Large Entity Code  | Fee (\$)          | Small Entity Code   | Fee (\$)          | Fee Description  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1051   | 130               | 2051  | 65                | Surcharge - late filing fee or oath  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1052   | 60                | 2052  | 25                | Surcharge - late Provisional filing  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1053   | 130               | 2053  | 130               | Non-English specification  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1812   | 2520              | 1812  | 2520              | For filing a request for examination                                       |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1804   | 920               | 1804  | 920               | Requesting publication of SIH prior to Examiner action                     |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1805   | 1840              | 1805  | 1840              | Requesting publication of SIH after Examiner action                        |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1251   | 110               | 2251  | 55                | Extension for reply within first month                                     |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1252   | 410               | 2252  | 205               | Extension for reply within second month                                    |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1253   | 930               | 2253  | 465               | Extension for reply within third month                                     |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1254   | 1450              | 2254  | 725               | Extension for reply within fourth month                                    |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1255   | 1970              | 2255  | 995               | Extension for reply within fifth month                                     |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1401   | 320               | 2401  | 160               | Notice of Appeal   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1402   | 320               | 2402  | 160               | Filing a brief in support of an appeal                                     |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1403   | 280               | 2403  | 140               | Request for oral hearing   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1451   | 1510              | 1451  | 1510              | Petition to institute a public use proceeding                              |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1452   | 110               | 2452  | 55                | Petition to revive - unavoidable   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1453   | 1300              | 2453  | 650               | Petition to revive - unintentional   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1501   | 1300              | 2501  | 650               | Utility issue fee (or reissue)   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1502   | 470               | 2502  | 235               | Design issue fee   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1503   | 830               | 2503  | 315               | Plant issue fee  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1807   | 50                | 1807  | 50                | Petitions to the Commissioner  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1806   | 180               | 1806  | 180               | Processing fee under 37 CFR 1.17(e)  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 8021   | 40                | 8021  | 40                | Submission of IDS  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1809   | 750               | 2809  | 375               | Recording each patent assignment via university (lines number of business) |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1810   | 750               | 2810  | 375               | Filing a submission after final rejection (37 CFR § 1.129(a))              |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1801   | 750               | 2801  | 375               | For each additional invention to be examined (37 CFR § 1.129(b))           |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1802   | 900               | 1802  | 900               | Request for Continued Examination (RCE)                                    |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
|  |                   |   |                   | Request for expedited examination of a design application                  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| <b>2. EXTRA CLAIM FEES</b><br><table border="1"> <thead> <tr> <th>Total Claims</th> <th>Previously Paid**</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>3</td> <td>17</td> <td>18</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>3</td> <td></td> <td>84</td> <td></td> </tr> <tr> <td>Multiple Dependents</td> <td></td> <td></td> <td>280</td> <td></td> </tr> </tbody> </table>   |                   | Total Claims  | Previously Paid** | Extra Claims   | Fee from below  | Fee Paid          | 20       | 3               | 17   | 18  |                    | Independent Claims | 3                                   |      | 84  |                   | Multiple Dependents |                                     |      | 280 |                  | SUBTOTAL (1) (\$) 0.00 |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| Total Claims   | Previously Paid** | Extra Claims  | Fee from below    | Fee Paid   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 20   | 3                 | 17  | 18                |  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| Independent Claims   | 3                 |   | 84                |  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| Multiple Dependents  |                   |   | 280               |  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| <table border="1"> <thead> <tr> <th>Large Entity Code</th> <th>Entity Fee (\$)</th> <th>Small Entity Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td></tr> </tbody> </table> |                   | Large Entity Code   | Entity Fee (\$)   | Small Entity Code  | Entity Fee (\$) | Fee Description   | 1001     | 750             | 2001 | 375 | Utility filing fee | 1002               | 330                                 | 2002 | 165 | Design filing fee | 1003                | 520                                 | 2003 | 260 | Plant filing fee | 1004                   | 750                       | 2004 | 375  | Reissue filing fee | 1005 | 160                                  | 2005 | 80  | Provisional filing fee | SUBTOTAL (2) (\$) 0.00 |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| Large Entity Code  | Entity Fee (\$)   | Small Entity Code   | Entity Fee (\$)   | Fee Description  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1001   | 750               | 2001  | 375               | Utility filing fee   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1002   | 330               | 2002  | 165               | Design filing fee  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1003   | 520               | 2003  | 260               | Plant filing fee   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1004   | 750               | 2004  | 375               | Reissue filing fee   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| 1005   | 160               | 2005  | 80                | Provisional filing fee   |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| **OR NUMBER PREVIOUSLY PAID, IF GREATER THAN STANDARD ALLOWANCE<br>*For Reissues, see above  |                   | SUBTOTAL (3) (\$) 110.00  |                   |  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |
| <b>SUBMITTED BY</b><br>Name (Print/Type) <b>Roland K Bowler II</b><br>Signature  |                   | Complete if applicable<br>Registration No <b>33,477</b><br>Telephone <b>847-523-3978</b><br>Date <b>24 October 2003</b>   |                   |  |                 |                   |          |                 |      |     |                    |                    |                                     |      |     |                   |                     |                                     |      |     |                  |                        |                           |      |      |                    |      |                                      |      |     |                        |                        |  |      |      |      |      |   |      |     |      |    |  |      |     |      |     |   |      |     |      |     |  |      |      |      |     |   |      |      |      |     |  |      |     |      |     |                  |      |     |      |     |  |      |     |      |     |                          |      |      |      |      |   |      |     |      |    |                                  |      |      |      |     |                                    |      |      |      |     |                                |      |     |      |     |                  |      |     |      |     |                 |      |    |      |    |                               |      |     |      |     |                                     |      |    |      |    |                   |      |     |      |     |  |      |     |      |     |   |      |     |      |     |  |      |     |      |     |   |  |  |  |  |   |